



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB 92700-10303-041-6-PO

Job Sheet 185625



Part No: RB 92700-10303-041-6-PO

Job Qty: 3 ea

Part Name: Wrench Assembly



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/31/18

Job Tracking No:

Due Date: 12/14/18

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RB 92700-10303-041 Rev.A IPP Rev. A 18.10.29 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	3 pcs		12/14/18	0.00	0.00	Purchasing		
110	Packaging	3 pcs		12/14/18	0.00	0.00	Packaging2		
120	QC	3 pcs		12/14/18	0.00	0.00	QC6		
130	Small Fab	3 pcs		12/14/18	0.00	0.30	Small Fab-2		
140	QC	3 pcs		12/14/18	0.00	0.00	QC5		
150	Packaging	3 pcs		12/14/18	0.00	0.00	Packaging3		
160	QC21-FG	3 Ea		12/14/18	0.00	0.00	QC21		

Part Op 100 - Issue P/O: 041341 MANUFACTURE RB 92700-10303-041-6 AS PER DWG Supplier: ARROW TECH
Descriptions: MACHINE WORKS -Certificate of conformity is required
130 - Re-identify as required.

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
RB 92700-10303-041-6P	Wrench Assembly	3 (1 ea)	100-Purchasing	S139895

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RB 92700-10303-041-6P	3	0	0

Part Specifications

Specifications could not be found.

Plex 10/31/18 8:55 AM dart.Lussier.Patrick



Container No: S139897



Part: RB 92700-10303-041-6

Job No: 185625

Serial No/Batch: S139897

Revision: A

Inspector:

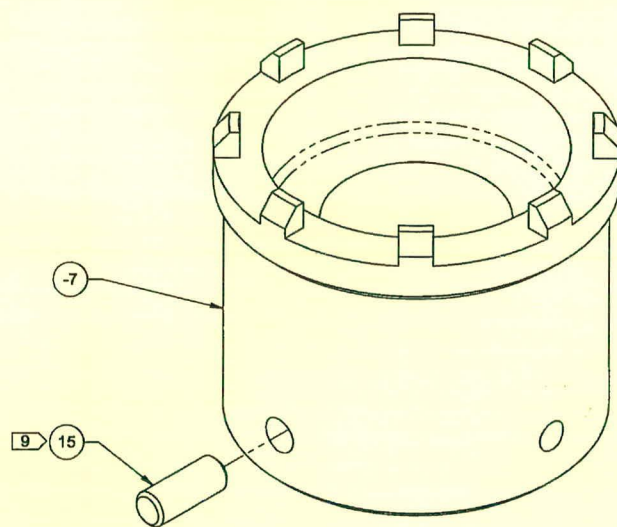
Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

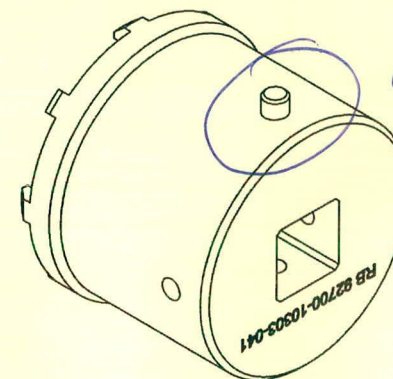
Date: 12/21/18

ITEM #	QTY	PART #	PART TITLE
-7	1	RB 92700-10303-041-7	WRENCH
15	1	McMaster#98381A539 OR EQUIV	STEEL DOWEL PIN 1/4" DIA. x 5/8" LG.



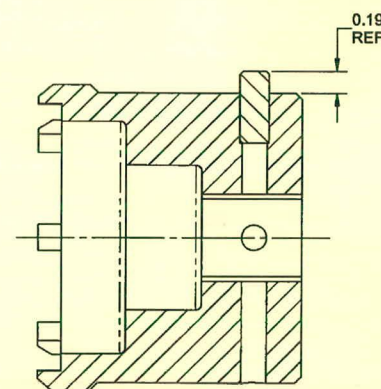
RB 92700-10303-041-6 WRENCH ASSY

10



ONE OF 3 HAS
PIN ON OPPOSITE
SIDE.

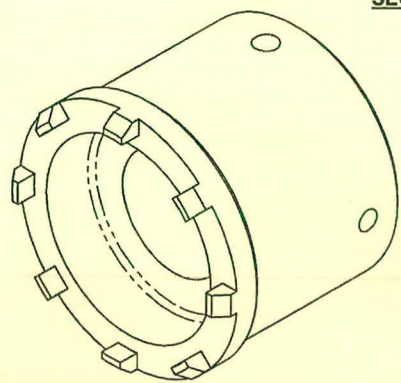
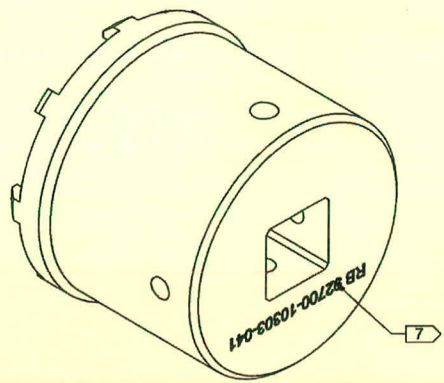
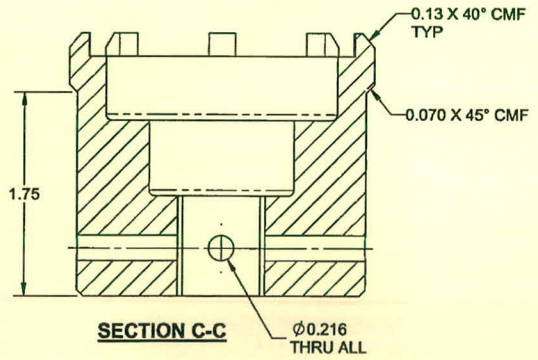
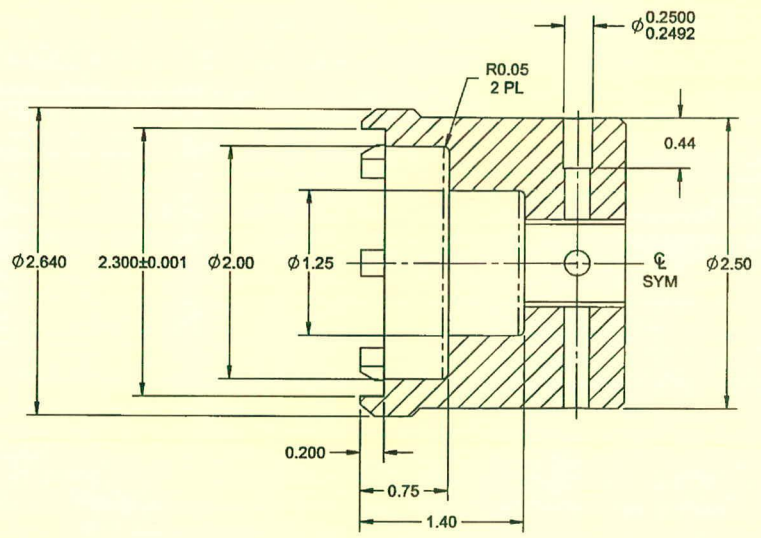
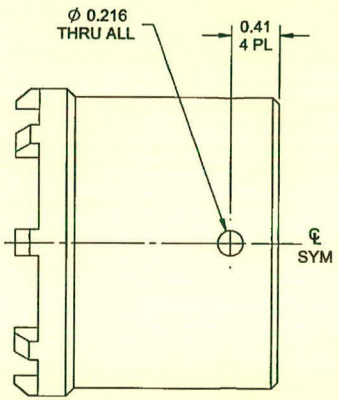
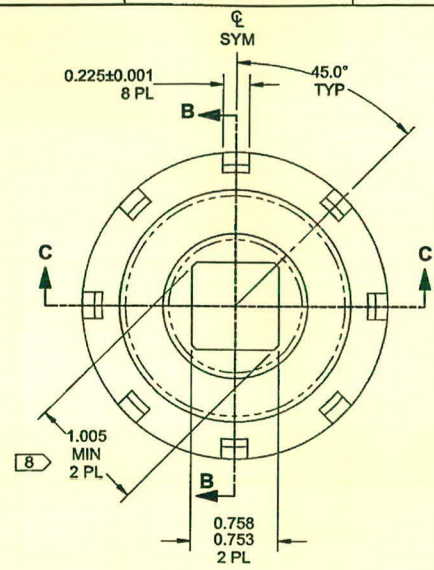
DAS
68
DEC 24 2018
9-89



NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1"
X.XX = +/- 0.01" / +/- 0.5"
X.XXX = +/- 0.005" / +/- 0.1"
X.XXXX = +/- 0.0005" / +/- 0.05"
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) ASSEMBLE AS SHOWN
- 9) APPLY LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM 15 WITH ITEM -7 AND REMOVE EXCESS
- 10) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

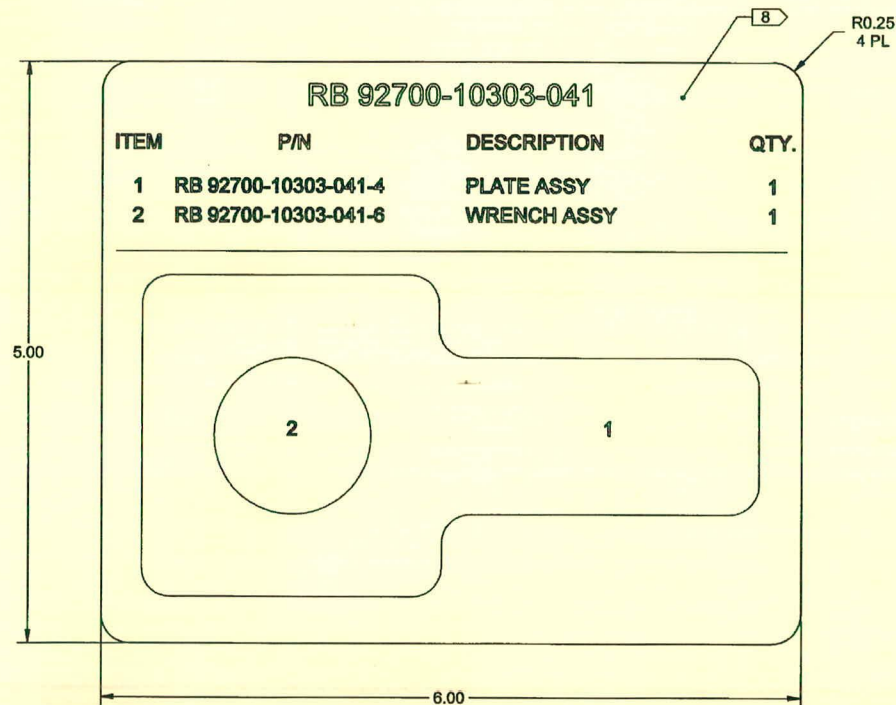
DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10303-041	SHEET 7 OF 9
APPROVED	VM	TITLE	SCALE
		WRENCH / REACTOR SET	NTS
DATE	9/7/2018	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



- NOTES:
- 1) MATERIAL: 4140/4142 (28-32 Rc)
 - 2) HEAT TREAT: N/A
 - 3) FINISH: N/A
 - 4) TOLERANCES: X.X = $\pm 0.1"$ / $\pm 1"$
X.XX = $\pm 0.01"$ / $\pm 0.5"$
X.XXX = $\pm 0.005"$ / $\pm 0.1"$
X.XXXX = $\pm 0.0005"$ / $\pm 0.05"$
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = $\pm 0.005"$
 - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 6) BREAK SHARP EDGES: 0.005" TO 0.010"
 - 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N AS SHOWN
 - 8) BROACH CORNERS CAN BE RELIEVED WITH 1/16" DRILL DIA. IF NECESSARY

RB 92700-10303-041-7 WRENCH

DESIGN	VM	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10303-041	SHEET 8 OF 9
APPROVED	VM	TITLE	SCALE
		WRENCH / REACTOR SET	NTS
DATE	9/7/2018	COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



RB 92700-10303-041-8 POSITION PLACARD

NOTES:

1) MATERIAL: MULTI-CRAFT PLASTICS # LM922402 OR EQUIV

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: N/A

7) IDENTIFICATION: N/A

8) BLACK BACKGROUND WITH WHITE LETTERS AND LINES

DESIGN	VM	DART AEROSPACE LTD	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	REV. A
MFG. APPR.	DP	RB 92700-10303-041	SHEET 9 OF 9
APPROVED	VP	TITLE	SCALE
DATE	9/7/2018	WRENCH / REACTOR SET	NTS
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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041341**

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
17	185665	RB 92700-10355-101P			Torque Adapter REV A	Firmed	-	12/21/18	3 Ea	0 Ea	3 Ea	\$1,448.00/Ea	\$4,344.00
Line Item Note SIOP													
18	185616	RB 92700-10349-041-5P			Handle Assembly REV A5	Firmed	-	12/21/18	3 Ea	0 Ea	3 Ea	\$998.00/Ea	\$2,994.00
Line Item Note SUB ASSY FOR TOP LEVEL RB 92700-10349-041													
19	185617	RB 92700-10349-041-8P			Seal Case Remover Assembly REV A5	Firmed	-	12/21/18	3 Ea	0 Ea	3 Ea	\$998.00/Ea	\$2,994.00
Line Item Note SUB ASSY FOR TOP LEVEL RB 92700-10349-041													
20	185618	RB 92700-10349-041-12P			Seal Ring Remover Assembly	Firmed	-	12/21/18	3 Ea	0 Ea	3 Ea	\$998.00/Ea	\$2,994.00
Line Item Note SUB ASSY FOR TOP LEVEL RB 92700-10349-041													
21	185624	RB 92700-10303-041-4P			Plate Assembly REV A	Firmed	-	12/21/18	3 Ea	0 Ea	3 Ea	\$1,268.50/Ea	\$3,805.50
Line Item Note SUB ASSY FOR TOP LEVER RB 92700-10303-041													
22	185625	RB 92700-10303-041-6P			Wrench Assembly REV A	Firmed	-	12/21/18	3 Ea	0 Ea	3 Ea	\$1,268.50/Ea	\$3,805.50
Line Item Note SUB ASSY FOR TOP LEVER RB 92700-10303-041													
23	185629	RB 92700-10400-041-6P			Rig Plate Screw REV A	Firmed	-	12/21/18	6 Ea	0 Ea	6 Ea	\$213.84/Ea	\$1,283.04
Line Item Note SUB ASSY FOR TOP LEVEL RB 92700-10400-041													
24	185633	RB 92700-10400-041-7P			Pitch Stop Gauge REV A	Firmed	-	12/21/18	3 Ea	0 Ea	3 Ea	\$213.84/Ea	\$641.52
Line Item Note SUB ASSY FOR TOP LEVEL RB 92700-10400-041													
25	185634	RB 92700-10400-041-9P			Rig Gauge Plate (Spares) REV A	Firmed	-	12/21/18	15 Ea	0 Ea	15 Ea	\$213.84/Ea	\$3,207.60

Plex 12/20/18 10:08 AM dart.Lussier.Patrick



PHGE Machineworks dba
Arrowtech Machineworks
29751 E Enid Rd. Unit C
Eugene, Oregon 97402
Phone: (541) 780-6938
Fax: (458) 215-4938

Packing Slip

NO. 356

PAGE 1 OF 2

Date: 12/14/2018
PO Ref: 041341
Ship via: Fedex Priority

Bill To:
Dart Aerospace
1270 Aberdeen St. Hawkesbury, ON
CANADA K6A 1K7

Ship To:
Dart Aerospace
1271 Aberdeen St. Hawkesbury, ON
CANADA K6A 1K8

Qty	Item	Part No.
3	SEAL INSTALLATION TOOL	RB 92700-10300-041-1
3	PLATE ASSEMBLY	RB 92700-10303-041-4
3	WRENCH ASSEMBLY	RB 92700-10303-041-6
3	TGB & IGB SEAL INSTALLER ASSEMBLY	RB 92700-10305-041-4
2	TR NUT WRENCH	RB 92700-10307-041
3	TAIL BLADE WRENCH (DE-ICE) WELDMENT	RB 92700-10309-042
3	TORQUE REACTOR	RB 92700-10314-101
3	SIGHT GUAGE REMOVAL TOOL	RB 92700-10328-041
3	ENGINE DRIVE SHAFT REMOVAL TOOL ASS	RB 92700-10333-041-4
3	BEARING SPANNER WRENCH	RB 92700-10340-101
3	SEAL REMOVAL ASSEMBLY	RB 92700-10350-041-5
3	BEARING ALIGNMENT TOOL	RB 92700-10356-041
3	TORQUE ADAPTER	RB 92700-10750-101
3	INPUT MODULE WRENCH	RB 92700-10750-102
6	RIG PLATE SCREW	RB 92700-10400-041-6
3	PIT STOP GUAGE	RB 92700-10400-041-7
15	RIG GUAGE PLATE (SPARES)	RB 92700-10400-041-9

Received by:

Packaged by: AL

Checked by: C.B.

Thank You



ARROW TECH MACHINE WORKS

Certificate of Conformance

Your Purchase Order No:041341 ✓

Dated: 12/14/2018

Our Order / Job No:041341-22AWT

Order Qty:3 ✓

Part Name:WRENCH ASSEMBLY

Part Number:RB 92700-10303-041 -6 ✓

Lot Size:N/A

Ship Date:12/14/2018

We certify that these parts shipped to you are of domestic or international manufacture and conform to all requirements of the Purchase Order. These parts have been manufactured and inspected in accordance with all required specifications, instructions and drawings. Any applicable specifications are listed below:

Drawing Number:RB 92700-10303-041-6

Rev:A

Material Size and Type:-7/4140 STEEL

Material Specifications: STEEL: ASTM A

Heat Treatment: -7 (30.0 HRC)

Plating/Finish:BLACK OXIDE: QMSI-6.2.2 B.O. REV D

Mercury Contamination: The material used to process this order has not come in contact with mercury or mercury bearing instruments.

Date: 12/20/18

Signed: Hernandez

DAS
68
9-89

PHGE Machine Works LLC dba Arrow Tech Machine Works
29751 E. Enid Rd. Unit C Eugene, Oregon 97402
Main: (541) 780-6938 | Fax: (458) 215-4938
www.atechmachineworks.com

